

VELIKOVSKAYA, E.M.; VEYMARN, A.B.; VERGUNOV, G.P.; APRODOV, V.A.; LYUSTIKH,
Ye.N.; LIPOVETSKIY, I.A.; ROMASHOV, A.N.; FEL'DMAN, V.I.; SAVOCHINA,
Ye.N.; GENDLER, V.Ye.; ROMENSON, B.M.; DOBKHOLOVA, Ye.S.;
LYUBIMOVA, L.V.; KHMARA, A.Ya.; VESELOVSKAYA, M.M.; KUDRIN, L.N.;
CHERNIKOV, O.A.; SOROKIN, V.S.; IL'IN, A.N.; FLOROVSKAYA, V.N.;
ZEZIN, R.B.; TEPLITSKAYA, T.A.; BRUSILOVSKIY, S.A.; KISSIN, I.G.;
CHIZHOVA, N.I.; PAVLOVA, O.P.; SHUTOV, Yu.I.

Supplements. Biul. MOIP. Otd. geol. 39 no.4:155 J1-Ag '64.

(MIRA 17:10)

APRODOV, Vladimir Aleksandrovich, kand. geol.-miner. nauk, dots.;
LETOVA, I.L., red.

[Recent tectonics, volcanic areas, and large seismic belts
of the world] Neotektonika, vulkanicheskie provintsii i ve-
likie seismicheskie polasa mira. Moskva, Izd-vo Mosk. univ.,
1965. 220 p. (MIRA 18:12)

ACC NR:

AM6012447

Monograph

UR/

Aprodov, Vladimir Aleksandrovich (Candidate of geo-mineralogical sciences; Docent)

Neotectonics, volcanic provinces and major seismic belts of the world (Neotektonika, vulkanicheskiye provintsii i velikiye seysmicheskiye poyasa mira) [Moscow] Izd-vo Mosk. univ., 65. 0220 p. illus., biblio. Errata slip inserted. 2,500 copies printed

TOPIC TAGS: seismicity, earthquake, geodynamics, tectonics, EARTH CRUST

PURPOSE AND COVERAGE: The book acquaints the reader with phenomena, particularly seismic and volcanic activity, within the earth. The book presents a classification of recent structures of the earth's crust, developed by the author during the past three years, and discusses laws governing the formation of these structures. Presented in popular form, the book may be of interest to a wide circle of readers, and may also serve as an aid for students, geology instructors, geographers and other specialists in earth's sciences.

Card

1/3

UDC: 551.21+550.34

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AM6012447

TABLE OF CONTENTS (abridged):

PURPOSE AND COVERAGE: The book acquaints the reader with phenomena, particularly seismic and volcanic activity, within the earth. The book presents a classification of recent structures of the earth's crust, developed by the author during the past three years, and discusses laws governing the formation of these structures. Presented in popular form, the book may be of interest to a wide circle of readers, and may also serve as an aid for students, geology instructors, geographers and other specialists in earth's sciences.

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Pt. 2: Thousands of volcanoes of the world

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Cont 2/3

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AN5012447

Pt. 3: Millions of earthquakes of large seismic belts of the world:
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SUBM DATE: 22Nov65/ ORIG REF: 154/ OTH REF: 078/

Card 3/3

8

APPRODOVA, A-A.

Thermonatrite in the near-Kama region. A. A. Aprodoval. *Compt. rend. acad. sci. U.R.S.S.* 48, 274-5 (1945). The mineral occurs in a bed 1.1 meters thick in the Kazan deposits at a depth of 16.2 meters. Three analyses of different varieties are given. G. T. F.

COMMON ELEMENTS

COMMON VARIETIES

1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

ASB-5LA METALLURGICAL LITERATURE CLASSIFICATION

1304 504179

1304 504179

И. П. ГОРОДКИ, А. А. АПОСТОЛОВА.

CA

7

Galena in the sedimentary deposits of Verkhne Chusov
skii Gorodki. A. A. Apostolova. *Doklady Akad. Nauk
S.S.S.R.* 50, 847-848 (1957); *Chem. Zentr.* 1948, I, 810.
An investigation was made of the Pb-contg. minerals of
the different strata of ores of a salt-bearing basin on the
right bank of the Chusovaya River in the northern Ural
region. Galena was found in the limestone strata at
depths of 500-40 m. The Pb content of the ores varied
from 0.04 to 0.74% and decreased with depth. It is as-
sumed that this galena has sepd. from hot solns. in the
fissures of the limestone.
M. G. Moser

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z AA AB AC AD AE AF AG AH AI AJ AK AL AM AN AO AP AQ AR AS AT AU AV AW AX AY AZ BA BB BC BD BE BF BG BH BI BJ BK BL BM BN BO BP BQ BR BS BT BU BV BW BX BY BZ CA CB CC CD CE CF CG CH CI CJ CK CL CM CN CO CP CQ CR CS CT CU CV CW CX CY CZ DA DB DC DE DF DG DH DI DJ DK DL DM DN DO DP DQ DR DS DT DU DV DW DX DY DZ EA EB EC ED EE EF EG EH EI EJ EK EL EM EN EO EP EQ ER ES ET EU EV EW EX EY EZ FA FB FC FD FE FF FG FH FI FJ FK FL FM FN FO FP FQ FR FS FT FU FV FW FX FY FZ GA GB GC GD GE GF GG GH GI GJ GK GL GM GN GO GP GQ GR GS GT GU GV GW GX GY GZ HA HB HC HD HE HF HG HH HI HJ HK HL HM HN HO HP HQ HR HS HT HU HV HW HX HY HZ IA IB IC ID IE IF IG IH II IJ IK IL IM IN IO IP IQ IR IS IT IU IV IW IX IY IZ JA JB JC JD JE JF JG JH JI JJ JK JL JM JN JO JP JQ JR JS JT JU JV JW JX JY JZ KA KB KC KD KE KF KG KH KI KJ KL KM KN KO KP KQ KR KS KT KU KV KW KX KY KZ LA LB LC LD LE LF LG LH LI LJ LK LL LM LN LO LP LQ LR LS LT LU LV LW LX LY LZ MA MB MC MD ME MF MG MH MI MJ MK ML MN MO MP MQ MR MS MT MU MV MW MX MY MZ NA NB NC ND NE NF NG NH NI NJ NK NL NO NP NQ NR NS NT NU NV NW NX NY NZ OA OB OC OD OE OF OG OH OI OJ OK OL OM ON OO OP OQ OR OS OT OU OV OW OX OY OZ PA PB PC PD PE PF PG PH PI PJ PK PL PM PN PO PP PQ PR PS PT PU PV PW PX PY PZ QA QB QC QD QE QF QG QH QI QJ QK QL QM QN QO QQ QR QS QT QU QV QW QX QY QZ RA RB RC RD RE RF RG RH RI RJ RK RL RM RN RO RP RQ RR RS RT RU RV RW RX RY RZ SA SB SC SD SE SF SG SH SI SJ SK SL SM SN SO SP SQ SR SS ST SU SV SW SX SY SZ TA TB TC TD TE TF TG TH TI TJ TK TL TM TN TO TP TQ TR TS TT TU TV TW TX TY TZ UA UB UC UD UE UF UG UH UI UJ UK UL UM UN UO UP UQ UR US UT UU UV UW UX UY UZ VA VB VC VD VE VF VG VH VI VJ VK VL VM VN VO VP VQ VR VS VT VU VV VW VX VY VZ WA WB WC WD WE WF WG WH WI WJ WK WL WM WN WO WP WQ WR WS WT WU WV WW WX WY WZ XA XB XC XD XE XF XG XH XI XJ XK XL XM XN XO XP XQ XR XS XT XU XV XW XX XY XZ YA YB YC YD YE YF YG YH YI YJ YK YL YM YN YO YP YQ YR YS YT YU YV YW YX YY YZ ZA ZB ZC ZD ZE ZF ZG ZH ZI ZJ ZK ZL ZM ZN ZO ZP ZQ ZR ZS ZT ZU ZV ZW ZX ZY ZZ																																	
APPRODOVA, A.A.																																	
PROCESSING AND PROPERTIES INDEX																																	
Crystalline deposition stock in a boring at the mouth of the river Ish, the right bank tributary of the Kama River. A. A. Appodova. Doklady Akad. Nauk S.S.S.R. 61, 875-876 (1948). -A report on the cryst. rocks and minerals of different geologic ages of the borings. A table on the compn. of gneiss and on the distribution of the minerals in it is given. I. S. Ioffe																																	
Central Sci. Res. Lab., Molotovskiy Enterprises																																	
ASAC-SLA METALLOGRAPHIC LITERATURE CLASSIFICATION																																	
<table border="1"> <thead> <tr> <th>SEARCHED</th> <th>INDEXED</th> <th>SERIALIZED</th> <th>FILED</th> </tr> </thead> <tbody> <tr> <td>YES</td> <td>YES</td> <td>YES</td> <td>YES</td> </tr> </tbody> </table>																										SEARCHED	INDEXED	SERIALIZED	FILED	YES	YES	YES	YES
SEARCHED	INDEXED	SERIALIZED	FILED																														
YES	YES	YES	YES																														

CA
APPROVED, H.A.

Devonian sphaerosiderites. A. A. Aprudova (Central. Nauchno-Issledovatel' Lab. Ob'edineniya; Mokotovsk). *Doklady Akad. Nauk S.S.S.R.* 63, 445-8(1948).—The Devonian sediments of the western slopes of the Urals and in the river Kama region are interesting because of rich deposits of bauxites and petroleum. In a complex contg. dolomite are frequent sphaerosiderites, with spherules of 0.3 to 1.2 mm. diam., with quartz, feldspar, and pyrite intergrown. A typical bulk analysis is FeO 32.77; MnO 3.23; MgO 0.47; CaO 0.35; Al₂O₃ 7.45; SiO₂ 34.48; SO₂ 0.56; ignition loss 18.46% (52.8% FeCO₃). The marine origin of the siderite-contg. rocks is certain. The structural details of the Devonian syngenetic siderites indicate for their deposition in colloidal forms. W. Rittel

AFRODOVA, A. A.

36607. Ob Izvestnyakovykh Konglomeratakh V Prikam'ye Na Granitse Kayal'skogo (?)
i Namyurskogo Yarusov. Izvestiya Akad. Nauk SSSR, Seriya Geol., 1949, No. 6, c. 216-19.-
Bibliogr: 9 nazv.

SO: Letopis' Zhurnal'nykh Statey, Vol. 50, Moskva, 1949

APPRODOVA, A-A.
CA

22

The dependence of the chemical composition of porphyroblast-bearing carbonate rocks (of Kama region near Molotov) on porosity. A. A. Appoldova. Doklady Akad. Nauk S.S.S.R. 63, 48-7 (1940).-- The content of MgO shows little if any dependence on porosity of the rock. An increase of porosity usually accompanies the development of dolomite structure. The insol. residue content is highly affected by porosity; increase of the latter leads to sharply reduced amts. of the insolubles. G. M. K.

Central Sci Res. Lab., Molotovsk assoc.

ASAC-514 METALLURGICAL LITERATURE CLASSIFICATION

APRODOVA, A.A.

Rhythmograms denoting the extent of coal deposits in the eastern regions of the Russian Platform. Dokl.AN SSSR 96 no.3:585-588 My '54. (MIRA 7:6)

1. TSentral'naya nauchno-issledovatel'skaya laboratoriya Ob'yedineniya "Molotovneft". Predstavleno akademikom D.V.Nalivkinym.
(Russian Platform--Coal geology)

APRODOVA, A. A., Cand of Geol-Min Sci -- (diss) "Coal deposits of the eastern part of the Russian platform (Molotovsk Prikam'ye) and its oil potentials." Moscow, 1957, 16 pp (Moscow State University im Lomonosov), 100 copies (KL, 32-57, 92)

POZNER, Viktor Mikhaylovich; KIRINA, Tamara Il'ichna; PORFIR'YEV, Gleb
Sergeyevich. Uchastvovali: AFRODOVA, A.A.; VISSARIONOVA, A.Ya;
ZAKHAROVA, M.M.; KILIGINA, M.L.; KOVYAZINA, N.M.; LUN'YAK, I.A.;
MUSINA, K.K.; ORLOVA, I.N.; SAVINOVA, S.I.; TAZLOVA, Ye.N.;
TERENT'YEVA, V.D.; FADEYEVA, M.I.; CHERNOVA, Ye.I.; SHEL'NOVA, A.K.
TIKHIY, V.N., red.; DAYEV, G.A., ved. red.; GENNAD'YEVA, I.M., tekhn. red.

[Volga-Ural oil-bearing region; Carboniferous sediments] Volgo-Ural'-
skaya neftenosnaya oblast', Kamennougol'nye otlozheniya, Leningrad,
Gos. nauchn. tekhn. izd-vo nef. i gorno-toplivnoi lit-ry, 1957.
287p. (Leningrad. Vsesoiuznyi neftianoi nauchno-issledovatel'-
skii geologorazvedochnyi institut. Trudy no. 112) (MIRA 11:12)
(Volga Valley--Geology, Stratigraphic)
(Ural Mountain region--Geology, Stratigraphic)

APRODOVA, A.A.

Carboniferous sediments in the Kama portion of Perm Province.
Trudy VNIGNI no.13:114-131 '59. (MIRA 13:1)
(Perm Province--Geology, Stratigraphic)
(Perm Province--Paleogeography)

APRODOVA, A.A.; LARIONOVA, Ye.N.

Glazov key well. Trudy VNIGNI no.26:65-112 '60. (MIRA 14:1)
(Russian Platform--Petroleum geology)

APRODOV, Vladimir Aleksandrovich; ~~APRODOVA, Aleksandra Alekseyevna~~;
POLEKHOVA, A.M., red.; CHISTYAKOVA, K.S., tekhn. red.

[Crustal movements and the geological past of the Moscow
region; geological field studies in the surroundings of Moscow]
Dvizheniia zemnoi kory i geologicheskoe proshloe Podmoskov'ia;
uchebnye geologicheskie ekskursii v okrestnostiakh Moskvy. Mo-
skva, Izd-vo Mosk. univ., 1963. 265 p. (MIRA 16:7)
(Moscow region--Geology)

APRODOVA, A.A.

Rhythms of stratification in the Middle Carboniferous of the
Golyushurma uplift. Vest. Mosk. un. Ser 4: Geol. 20 no.1:
45-53 Ja-F '65. (MIRA 18:3)

1. Kafedra dinamicheskoy geologii Moskovskogo gosudarstvennogo
universiteta.

USSR/Cultivated Plants, Grains.

M

Abs Jour : Ref Zhur-Biol., No 15, 1958, 68135

Author : ~~Aprodu~~, A. I., Yorygin, P. S.

Inst : Kuban' Rice Experiment Station.

Title : The Relationship between the Quality of
Rice Grains and Their Water Content when
Harvested.

Orig Pub : V sb.: Kratkiye itogi nauchno-issled. raboty
Kubansk. ris. opyt. st. za 1956 g. Krasnodar,
"Sov. Kuban'", 1957, 119-125

Abstract : In pot and field experiments, a study was
made of moisture dynamics in maturing rice
pericarps. Seed moisture declines during
the ripening process; its level is determined
by the harvest dates. The grain moisture
is highest with later harvesting dates. As

Card : 1/2

APROLOV, V.A.

Basic principles of the classification of karst processes.

Inform.sbor.Mezhd.kom.po izuch.geol.geogr. kar. no.1:127-139

'60.

(MIRA 15:4)

1. Muzey zemlevedeniya Moskovskogo gosudarstvennogo universiteta.
(Karst--Classification)

APROSINA, Z. G.

APROSINA, Z. G. "The biliar syndrome in Botkin's disease and its outcome." First Moscow Order of Lenin Medical Inst imeni I. M. Sechenov. Moscow, 1956.
(Dissertation for the Degree of Candidate in Sciences)
Medical

So; Knizhnaya Letopis', No. 18, 1956

APROSINA, Z.G., kand.med.nauk, SHIFRIN, S.S.

Cholecystography and results in Botkin's disease. Sov.med. 22
no.821-27 Ag '58 (MIRA 11:10)

1. Iz kafedry obshchey i gosital'noy terapii sanitarno-gigiyenicheskogo
fakul'teta (zav. - deystvitel'nyy chlen AMN SSSR prof. Ye.M. Tarayev)
i kafedry rentgenologii i radiologii (zav. - prof. P.D. Yal'tsev) i
Moskovskogo Ordena Lenina meditsinskogo instituta imeni I.M. Sechenova.

(HEPATITIS, INFECTIOUS, pathol.

liver changes, value of cholecystography (Rus))

(CHOLECYSTOGRAPHY, in various dis.

liver cirrhosis (Rus))

APROSINA, Z.G., kand.med.nauk; BELYAYEVA, N.V.

Treatment of lymphogranulomatosis with butadion. Sov.med. 23
no.1:119-124 Ja '59. (MIRA 12:2)

1. Iz kafedry obshchey i gosital'noy terapii (zav. - deystvitel'nyy
chlen AMN SSSR prof.Ye.M. Tareyev) sanitarno-gigiyenicheskogo fakul'-
teta I Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M.
Sechenova na baze 24-y Gorodskoy klinicheskoy bol'nitsy (glavnyy vrach
V.P. Uspenskiy).

(HODGKIN'S DISEASE, ther.
phenylbutazone (Rus))
(PHENYLBUTAZONE, ther. use
Hodgkin's dis. (Rus))

BONDAR', Z.A., prof.; APROSINA, Z.G.

Present state of study of Botkin's disease. Biul. uch. med.
sov. 2 no.5:3-9 S-0 '61. (MIRA 14:11)
(HEPATITIS, INFECTIOUS)

AFROSINA, Z.G.

Lesion of the bile ducts in chronic toxic (occupational)
hepatitis. Sov. med, 25 no.4:8-15 Ap '62. (MIRA 15:6)

1. Iz kafedry obshchey i gospi'tal'noy terapii (zav. - deystvitel'nyy
chlen AMN SSSR prof. Ye.M. Tareyev) sanitarno-gigiyenicheskogo
fakul'teta I Moskovskogo ordena Lenina meditsinskogo instituta
imeni I.M. Sechenova.

(LIVER---DISEASES) (BILE DUCTS---DISEASES)

ANDROSOVA, S.O.; APROSINA, Z.G.; BEZRODNYKH, A.A.; VERMEL', A.Ye.;
VINOGRADOVA, O.M.; LEVITSKIY, E.R.; MAKARENKO, I.I.;
MAKSHANOV, D.A.; POLYANTSEVA, L.R.; SUMAROKOV, A.V.;
SHATALOV, N.N.; SHAPIRO, L.A.; TAREYEV, Ye.M., prof.,
red.; MEL'NIKOV, Ye.B., red.

[Occupational diseases] Professional'nye bolezni; ucheb-
noe posobie dlia studentov sanitarno-gigienicheskikh fa-
kul'tetov. Pod red. E.M.Tareeva. Moskva, 1963 p. 223 p.
(MIRA 16:6)

1. Moscow. Pervyy meditsinskiy institut. 2. AMN SSSR (for
Tareyev).

(OCCUPATIONAL DISEASES)

APROSINA, Z.G., kand. med. nauk

Some characteristics of the course of chronic toxic (occupational) hepatitis. Trudy 1-go MMI 28:183-196 '64.

(MIRA 17:11)

1. Kafedra obshchey terapii i professional'nykh zabolevaniy
(zav. - deystvitel'nyy chlen AMN SSSR prof. Ye.M. Tareyev)
sanitarno-gigiyenicheskogo fakul'teta 1-go Moskovskogo ordena
Lenina meditsinskogo instituta imeni Sechenova.

APROSINA, Z.G., kand. med. nauk; AFANAS'YEVA, K.A., kand. med. nauk;
 AKHREM-AKHREMOVICH, R.M., prof.; BLYUGER, A.F., doktor med.
 nauk; BONDAR', Z.A., prof.; VASILENKO, V.Kh., prof.; KIKODZE,
 I.A., kand. med. nauk; LINDENBRATEN, L.D., prof.; LOGINOV,
 A.S., kand. med. nauk; MANSUROV, Kh.Kh., prof.; NAZARETYAN,
 Ye.L., kand. med. nauk; NOGALLER, A.M., prof.; PLOTNIKOV,
 N.N., prof.; SEMENDYAYEVA, M.Ye., kand. med. nauk; TAREYEV,
 Ye.M., prof.; TAREYEV, I.Ye., kand. med. nauk;
 TER-GRIGOROVA, Ye.M., prof.; CHERNYSHEVA, Ye.V., kand. med.
 nauk; SHVARTS, L.S., prof.; MYASNIKOV, A.L., prof., zam. otv.
 red.; BOGOSLAVSKIY, V.A., red.; SEMENDYAYEVA, M.Ye., red.

[Multivolume manual on internal diseases] Mnogotomnoe rukovodstvo po vnutrennim bolezniyam. Moskva, Meditsina, Vol.5. 1965. 724 p. (MIRA 18:9)

1. Deystvitel'nyy chlen AMN SSSR (for Tareyev, Ye.M., Vasilenko, Myasnikov).

APROTESEI, C.
SURNAME, Given Names

Country: Rumania

Academic Degrees:

Affiliation: -not given-

Source: Bucharest, Farmacia, Vol IX, No 9, Sep 1961, pp 513-

Data: "Theoretical Considerations on the Electrophoretic Method of Analysis."

Authors:

APROTESEI, C., -Farm. Dr.-

TEODOSIU, M., -Pharmacist.-

670 981643

PISLARASU, C., ing.; AGENT, V., arh.; MACRI, R., arh.; MARCOVICI, A.,
ing.; BARBAIANI, M., ing.; NEACSU, I., ing.; APROZEANU, V.,
ing.

Construction of apartment houses with many stories achieved
by gliding shuttering in Bucharest. Rev constr si mat constr
15 no. 12: 610-617 D '63.

APRYATKIN, S.S.; NAZARETOV, M.B.; TILYUPO, V.A.

History of and prospects for the development of the Groznyy
oil industry. Neft. khoz. 42 no.9/10:51-56 S-O '64.

(MIRA 17:12)

ACC NR: AP7007039

SOURCE CODE: UR/0050/66/000/006/0036/0040

AUTHOR: Apsalyamova, Z. G.

ORG: Institute of Mathematics, AN UzSSR (Institut matematiki AN UzSSR)

TITLE: Investigation of the statistical structure of the wind field in Central Asia and in Southern Kazakhstan

SOURCE: Meteorologiya i gidrologiya, no. 6, 1966, 36-40

TOPIC TAGS: atmospheric wind, cyclone, storm

ABSTRACT: The author has investigated the structure of the wind field at the earth's surface in Central Asia and the southern part of Kazakhstan at the time of an anticyclonic type of synoptic processes. In cases of particularly strong development of an anticyclone on its southern and southwestern peripheries there frequently are strong and stable easterly and northeasterly winds which in summer frequently cause dust storms, while in winter they cause blizzards. The paper gives a discussion of the aerodynamic conditions of formation of winds during clear and stable weather. Of great importance for the formation of a storm zone is the degree of development of the intruding cyclone and the extent of its penetration to the west. The stronger the intrusion, the better developed is the storm zone. The physico-geographic

Card 1/2

UDC: 551.553(574+575)

0928 0457

ACC NR: AP7007039

conditions also are favorable for creating a zone of strong winds. The investigated zone lies between 37.5 and 50°N and 55 and 72.5° E. A regular net of 48 points situated at the intersection of meridians and parallels was selected for analyzing data. There were 30 cases of strong winds in 1961-1963 (16 in autumn-winter and 14 in spring-summer). This made it possible to gain an understanding of the pattern of development and propagation of the zone of strong winds and therefore has yielded data and an approach which can be used in the prediction of such strong winds. Orig. art. has: 4 figures. [JPRS: 38,677]

SUB CODE: 04 / SUBM DATE: 14Feb66 / ORIG REF: 007 / OTH REF: 001

Card 2/2

GUMAROVA, F.G.; GOSTEVA, A.G.; TULEGENOV, Z.K.; MAKASHEVA, S.U.; POLOSUKHIN, A.P.; MUSABEKOV, A.M.; DANILOV, Yu.S.; NIGMATULIN, M.A.; ZAKHAROV, F.G.; LUZINA, Z.T.; NEPESOV, T.I.; STASYUNAS, I.P.; ISABEKOV, O.I.; SARSENBAYEVA, K.; KATSYUBA, V.T.; LENOVSKIY, A.S.; AKHMEDOV, K.Yu.; SUBKHANBERDIN, S.Kh.; KISLITSINA, N.P.; POLIKARPOV, S.V.; ZAIROV, K.S.; APSATAROV, A.A.; NOVOSEL'TSEV, V.N.; PETROV, N.N.; KHOMUTOV, M.V.; GALUSTYAN, A.S.; ARTYKOV, A.Ye.; DZHANDIL'DIN, N.D.; KOVRIGINA, M.D.; BEYSEBAYEV, M.; BUBLIK, V.N.; CHERNYSH, A.H.

Discussion on the report of S.R.Karynbaev, Minister of Public Health of the Kazakh S.S.R., on the status and improvement of medical care. Zdrav.Kazakh. 17 no.4/5 '57. (MIRA 12:6)

1. Zav. Alma-Atinskim oblastnym zdravotdelom (for Gumarova).
2. Vrach bol'nitsy g.Leninogorska Vostochno-Kazakhstanskogo oblzdravotdela (for Gosteva).
3. Zav. Karagandinskim oblastnym otделom zdravookhraneniya (for Tulegenov).
4. Zav.Kzyl-Ordinskim oblastnym otделom zdravookhraneniya (for Makasheva).
5. Vitse-prezident AN KazSSR (for Polosukhim).
6. Zav.Aktyubinskim oblastnym otделom zdravookhraneniya (for Musabekov)
7. Ministr zdravookhraneniya Kirgizii (for Danilov).

(Continued on next card)

GUMAROVA, F.G.---(continued) Card 2.

8. Zav.Vostochno-Kazakhstanskim oblastnym otделom zdravookh-
raniya (for Nigmatulin). 9. Chlen kollegii Ministerstva
zdravookhраниya SSSR (for Zakharov). 10. Zav.Kustanayskim
oblastnym otделom zdravookhраниya (for Luzina). 11. Ministr
zdravookhраниya Turkmen'skoy SSR (for Nepesov). 12. Zav.sel'-
skim vrachebnym uchastkom Priirtysh'skogo rayona Pavlodarskoy
oblasti (for Stasyunas). 13. Glavnyy vrach Kapal'skoy rayonnoy
bol'nitsy Taldy-Kurganskoy oblasti (for Isabekov). 14. Zav.
zhenotdelom Yuzhno-Kazakhstanskogo obkoma partii (for
Sarsenbayeva). 15. Zav. Dzhambul'skim oblastnym otделom
zdravookhраниya (for Katsyuba). 16. Glavnyy vrach Alma-
Atinskogo oblastnogo tuberkuleznogo dispansera (for Lenov-
skiy). 17. Ministr zdravookhраниya Tadzhik'skoy SSR (for
Akmedov). 18. Nachal'nik Kazaptekoupravleniya (for
Subkhanberdin).

(Continued on next card)

GUMAROVA, F.G.---(continued) Card 3.

19. Zav. Semipalatinskim oblastnyy otdelom zdravookhraneniya (for Kislitsina).
20. Predsedatel' respublikanskogo komiteta soyuza medrabotnikov (for Polikarpov).
21. Zam. ministra zdravookhraneniya Uzbekskoy SSR (for Zairov).
22. Zav. Alma-Atinskim gorodskim otdelom zdravookhraneniya (for Apsatarov).
23. Zav. Severo-Kazakhstanskim oblastnym otdelom zdravookhraneniya (for Novosel'tsev).
24. Zav. rayzdravotdelom Shortandinskogo rayona Akmolinskoy oblasti (for Petrov).
25. Zav. ministra zdravookhraneniya Soyuzn SSR (for Khomutov).
26. Zav. ministra zdravookhraneniya ArmSSR (for Galustyan).
27. Predsedatel' Komiteta fizicheskoy kul'tury i sporta pri Sovete Ministrov KazSSR (for Artykov).
28. Sekretar' Tsentral'nogo Komiteta Kommunisticheskoy partii Kazakhstana (for Dzhandil'din).
29. Ministr zdravookhraneniya Sovetskogo Soyuzn (for Kovrigina).
30. Pervyy zamestitel' predsedatelya Soveta Ministrov KazSSR (for Beysebayev).
31. Uchastkovyy vrach Kustanayskoy oblasti (for Bublik).
32. Zam. predsedatelya Obshchestva Krasnogo Kresta Kazakhstana (for Chernysh).

(KAZAKHSTAN--PUBLIC HEALTH)

APSATAROV, A. A., Cand. Med. Sci., — (diss), "Data on the epidemiology of dysentery and typhoid fever in Alma-Ata," Alma-Ata, 1961, 16 pp (Kazakh State Medical Institute) 250 copies (KL-Supp 9-61, 188)

APSHTEYN, Z.V., kandidat meditsinskikh nauk; AVDEYEVA, N.G.

Compensation adaptability of the disabled when using a shoulder prosthesis. Ortop., travm. i protez. 17 no.2:59-60 Mr-Apr '56.
(MLRA 9:12)

1. Iz Leningradskogo nauchno-issledovatel'skogo instituta protezirovaniya (dir. - prof. F.A.Kopylov)
(ARTIFICIAL LIMBS)

S/058/62/000/006/017/136
A061/A101

AUTHORS: Apshev, S. Zh., Karashayev, A. A., Matuyev, V. A., Khakunov, M.,
Ponezhev, M. Kh.

TITLE: On the transverse component of the momentum of neutral strange
particles

PERIODICAL: Referativnyy zhurnal, Fizika, no. 6, 1962, 52 - 53, abstract 6B369
("Uch zap. Kabardino-Balkarsk. un-t", 1961, no. 13, 155 - 161)

TEXT: The penetrating showers of cosmic radiation were investigated with
an apparatus consisting of a doubled Wilson chamber in the magnetic field, con-
trolled by a system of Geiger counters. The distribution of the transverse com-
ponents, P_t , of the momenta of θ^0 and Λ^0 -particles generated in these showers
was examined. The apparatus permitted the measurement of momenta up to 2 -
2.5 Bev/c. In all, 13 Λ^0 -particles and 11 θ^0 -particles were processed. For
their greater part, these particles were in the range of $P_t = 0.2 \div 0.4$ Bev/c.
The mean value of P_t was 0.516 Bev/c, and within the experimental errors did not
depend on the particle type.

[Abstracter's note: Complete translation]

L. Landsberg

Card 1/1

APSHEV, S.Zh.; DADOV, A.M.; SAKVARELIDZE, I.I.; NAKOV, R.A.

Generation of Λ^0 , K^0 , and Σ^- particles in the interaction
of cosmic rays with carbon, copper, and lead nuclei. Izv. AN
SSSR. Ser. fiz. 29 no.9:1667-1668 S '65. (MIRA 18:9)

L 27901-86 EWT(m)/FOL/I IJP(c)

ACC NR: AP5024628

SOURCE CODE: UR/0048/65/029/009/1667/1668

AUTHOR: Apshev, S. Zh.; Dadov, A.M.; Sakvarelidze, I.I.; Nakov, R.A. 11
B

ORG: none

TITLE: Production of Λ^0 , K^0 , and $\Sigma^\pm$, particles in interactions of cosmic rays with carbon, copper, and lead nuclei /Report, All-Union Conference on Cosmic Ray Physics held at Apatity 24-31 August 1964/ 19

SOURCE: AN SSSR. Izvestiya. Seriya fizicheskaya, v. 29, no. 9, 1965, 1667-1668

TOPIC TAGS: cosmic ray particle, hyperon, K meson, particle production

ABSTRACT: The authors have determined the relative production rates in carbon, copper and lead targets of hyperons and K mesons by cosmic ray particles accompanying penetrating showers with the aid of a double Wilson chamber in an 8000 Oe magnetic field. The target was mounted between the two sections of the double Wilson chamber and the following decay processes were detected $\Lambda^0 \rightarrow p + \pi^-$, $K^0 \rightarrow \pi^+ + \pi^-$, $\Sigma^\pm \rightarrow \pi^\pm + N$. In a total of 2940 penetrating showers there were observed 54 unstable particles. The numbers of unstable particles produced in the different targets are consistent with the assumption that the cross section is proportional to the two-thirds power of the atomic weight, in agreement with the findings of T.Bowen, I.Hardy, G.T.Reinolds, C.R.Sun, G.Tagliaferri, and A.E.Werbrouck (Phys. Rev., 119, 2030, 2041, 1960) for the production

Card 1/2

09010339

L 27901-66

ACC NR: AP5024628

of unstable particles in carbon, iron, and lead by 1.5 BeV pions and 2.8 BeV protons.
Orig. art has: 1 table.

SUB CODE: NP/ SUBM DATE: 00/

ORIG REF: 000/ OTH REF: 001

Card

2/2

CC

L 33590-66 EWT(m)/T

ACC NR: AR6016163

SOURCE CODE: UR/0058/65/000/011/B036/B036

49
B

AUTHORS: Apshev, S. Zh.; Dadov, A. M.; Nakov, R. A.; Rogaleva, L. I.

TITLE: Formation of Λ, θ^0 , and Σ^+ ¹⁹hyperons during the course of interaction of cosmic rays with lead and carbon nuclei

SOURCE: Ref. zh. Fizika, Abs. 11B307

REF SOURCE: Uch. zap. Kabardino-Balkarsk. un-t. Ser. fiz.-matem., vyp. 22, 1964, 192-193

TOPIC TAGS: meson, hyperon, cosmic ray, strong nuclear interaction, lead carbon, Wilson cloud chamber

ABSTRACT: The authors investigated the formation of Λ and Σ^+ hyperons and of θ^0 mesons in interactions between cosmic rays and nuclei of lead and carbon. The measurements were made with the aid of a double Wilson cloud chamber, over which a generator-target of lead or carbon was placed. A table showing the yield of hyperons per 1000 nuclear interactions is presented. S. Z. [Translation of abstract]

SUB CODE: 20, 04/

Card 1/1

9.2

APSHTEYN, Z.V., kand.med.nauk

Krukenberg's operation of the blind. Ortop., travm. i protez.
no.4:22-25 '62. (MIRA 15:5)

1. Iz Leningradskogo instituta protezirovaniya (dir. - dotsent
M.V. Strukov). Adres avtora: Leningrad, prosp. K. Marksa, d.9,
Institut protezirovaniya.
(HAND-SURGERY) (AMPUTATION STUMP) (BLIND REHABILITATION, ETC.)

APSHEYN, Z.V., kand. med. nauk (Leningrad M-66, Aviatsionnaya ul., d.13,
kv.182)

Physiologic evaluation of the dorsal and abdominal muscles in
spinal injuries with damaged spinal cord. Ortop., travm. i protez.
25 no.6:54 Je '64. (MIRA 18:3)

1. Iz Leningradskogo instituta protezirovaniya (dir. - dotsent M.V.
Strukov).

APSHTEYN, Z.V., kand.med. nauk; SHEYNFINKEL', V.M., inzhener

Methodology of measuring the sthenia of dorsum and abdominal muscles. Ortop., travm. i protez. 24 no.4:68-69 Ap'63.
(MIRA 16:8)

1. Iz Leningradskogo instituta protezirovaniya (direktor dotsent M.V.Strukov). Adres avtorov: Leningrad, prosp.K. Marksa, d.9, Institut protezirovaniya.
(MUSCLES—EXAMINATION)

APSHEYN, Z.V., kand. med. nauk; POTIKHANOVA, G.G., inzh.

Study of the weight-bearing function of the anterior part of
the foot in walking. Ortop., travm. i protez. 25 no. 4, 60 Ap '64
(MIRA 18:1)

1. Iz Leningradskogo instituta protezirovaniya (direktor dotsent
M.V. Strukov). Adres avtorov: Leningrad, prosp. Karla Marksa,
d. 9, Leningradskiy nauchno-issledovatel'skiy institut protezi-
rovaniya.

HPSIT, S.O.

USSR/Human and Animal Physiology - The Effect of Physical Factors.

V-13

Abs Jour : Ref Zhur - Biol., No 2, 1958, 9211

Author : S.O. Apsit

Inst : The Arkhangelsk Medical Institute.

Title : The Mechanism of the Leukocytic Reaction Accompanying Burns.

Orig Pub : Sb. tr. Arkhang. med. in-t, No 13, 23-31

Abstract : Burns were produced in rabbits by applying a flask of boiling water to an ear. Blood was taken for examination from the marginal veins of both ears. In the first $1\frac{1}{2}$ to 2 hours leukopenia developed, then changed to neutrophilic leukocytosis (up to $22,000$ per mm^3), which reached a maximum level 4 to 6 hours after the burn. The number of neutrophils and monocytes in the blood flowing from the

Card 1/2

APSIT, S.O., kand.med.nauk; BATYGINA, N.I., kand.med.nauk

Changes in the bone marrow of patients with endarteritis obliterans
following lumbar sympathectomy. Sov. med. 25 no.9:118-121 S '61.
(MIRA 15:1)

1. Iz kafedry obshchey khirurgii (zav. - prof. G.A.Orlov) i kafedry
gospital'noy terapii Arkhangel'skogo meditsinskogo instituta.
(ARTERIES_DISEASES) (NERVOUS SYSTEM, SYMPATHETIC SURGERY)
(MARROW)

AFSII, S.D.; SERGENEV, V.M. (Moskva, E-104, N. Brestaya, d. 10, k. 10);
MEZHLUETO, A.Ya.

Comparative analysis of the results of the study of external
respiration in patients with lung and pleural diseases by the
spirographic method and Böhlau's apparatus. (Grau. Khir. i no. 6)
67-73 N-D '64. (MIRA 18:7)

1. Institut serdechno-sosudistoy khirurgii (direktor - prof.
S.A. Kolesnikov; nauchnyy rukovoditel' - akad. A.N. Bakalev)
AMN SSSR, Moskva.

APST, V.

621.313.2-8 : 625.23
5016. Electrical machines for the electrical equip-
ment of railway carriages. G. SITTURMAN, V. APST
AND A. KROGERIS. Latv. PSR Zinat. Akad. Vestis 1952,
No. 3, 93-113. In Russian.

The main requirements to be satisfied by the carriage lighting equipment are stated. Operation and characteristics of a cross-field d.c. generator are compared with those of a synchronous generator feeding the circuit through rectifiers; the latter system fulfils the above requirements. Results of laboratory tests are reported. Practical tests on railway coaches are recommended.

A. KARLSHAD

② *[Handwritten signature]*

Dinst. Power Engineering and Electrical Engineering, AS Latv SSR

APSIT, V.V.

SHTURMAN, G.I., doktor tekhnicheskikh nauk, professor; APSIT, V.V., inzhener.

"Historical survey of the development of electric machinery." S.A. Gusev.
Reviewed by G.I. Shturman, Apsit, V.V. Elektrichestvo no. 4:92-93 Ap '56.
(Electric machinery) (Gusev, S.A.) (MLRA 9:7)

Translation from: Referativnyy Zhurnal, Elektrotekhnika, 1957, Nr 1, 112-1-937 D
p. 151 (USSR)

AUTHOR: Apsit, V. V.

TITLE: Synchronous Generator for the Power Supply in Passenger Railroad Cars (Sinkhronnyy generator dlya elektropitaniya passazhirskikh zheleznodorozhnykh vagonov)

ABSTRACT: Bibliographic entry on the author's dissertation for the degree of Candidate of Technical Sciences presented to the Leningrad Institute of Railroad Transportation Engineers (Leningr. in-t inzh. zh.-d. transp.), Riga, 1956.

Card 1/1

ASSOCIATION: Leningrad Institute of Railroad Transportation Engineers (Leningr. in-t inzh. zh.-d. transp., Riga)

32(3)

SOV/112-59-5-9132

Translation from: Referativnyy zhurnal. Elektrotehnika, 1959, Nr 5, p 104 (USSR)

AUTHOR: Apsit, V.^{V.} and Krogeris, A.

TITLE: System of Electric Supply to Passenger Cars With Rectified Current

PERIODICAL: Narodnoye kh-vo Sov. Latvii, 1957, Nr 1, pp 11-14

ABSTRACT: Practice has shown that an electric-supply system with an RD-2 generator is unreliable for all-metal cars. Institut energetiki i elektrotehniki (Institute of Power and Electrical Engineering), AS Latviyskaya SSR, developed a new rectified-current supply system. The story of its development and a description of the system are given. A contactless 3-phase synchronous generator is the source of energy; the principle of externally-closed magnetic flux is used in the generator design which permits building the rotor from simple steel castings and placing the field winding on end shields. The generator has 2 stator windings (principal and additional) which supply 2 rectifiers. A contactless voltage regulator acting on the principal generator-

Card 1/2

SOV/112-59-5-9132

System of Electric Supply to Passenger Cars With Rectified Current

field winding serves to maintain constant voltage in the train line. The generator functioning and the electrical circuit of the system are described in detail. The system has the following advantages: (1) the contactless design of the generator and regulator greatly increases reliability; (2) the storage battery is charged, when the train is in motion, 24 hours a day, independently of the load; this permits cutting the battery rated capacity; (3) during the train stop, it is possible to charge the batteries and to supply consumers directly from the station 3-phase, 50 cps, 380/220-v line via an auxiliary transformer; (4) the contactless feature of the generator and the voltage regulator abruptly decreases the level of the noise caused to the train radio.

V.A.K.

Card 2/2

APSIT V.V.

SHTURMAN, G.I., doktor tekhnicheskikh nauk, professor.; YAKUBAYTIS, E.A.,
kandidat tekhnicheskikh nauk.; KROGERIS, A.F., kandidat tekhnicheskikh
nauk.; APSIT, V.V., kandidat tekhnicheskikh nauk.

A new system of autonomous power supply for railway passenger cars.
Elektrichestvo no.3:39-43 Mr '57. (MLRA 10:4)

1. Institut energetiki i elektrotehniki Akademii nauk Latvyskoy
SSR.

(Railroads--Electric equipment)

APSIT, V.V.

AUTHOR: 1) Cand.Tech.Sc.V.V.KAPLAN, Cand.Tech.Sc. . 105-8-17/20
NASHATYR', V.M.
2) Dr.Tech.Sc.Prof.G.I.SHTURMAN, Cand.Tech.Sc.E.A.YAKUBAYTIS,
Cand.Tech.Sc.A.F.KROGERIS, Cand.Tech.Sc.V.V.APSIT,
Cand.Tech.Sc.A.G.ZDROK, Cand.Tech.Sc.Ass.Prof.G.P.SMIRNOV

TITLE: 1) On the Testing of Current-Limiting High-Frequency Fuses in
an Oscillatory Circuit. (Ispytaniye vysokofrekventnykh tokoogra-
nichivayushchikh predokhraniteley na kolebatel'nom konture)
2) On the Work of the Saturation Impedance with a Semiconductor
Rectifier and Active Induction Load. (Rabota drosselya
nasyshcheniya s poluprovodnikovym vypryamitelem i aktivno-
induktivnoy nagruzkoy)

PERIODICAL: Elektrichestvo, Nr 8, pp 74 - 77 (U.S.S.R.) , 1957

ABSTRACT: 1) Refers to the article by both authors in Elektrichestvo, 1956,
Nr 5. Reference is made to the letter by Dr.A.Myslitskiy
(Poland). The latter writes that only symmetrical short-
circuit current curves are given in the article, whereas
in a number of cases especially difficult conditions develop
for the switching off of an arc in a high-frequency fuse, due
to the presence of an aperiodic component in the short-circuit
current. The authors announce that in later works a system
was used by means of which investigations can be made on

Card 1/2

8(0)

SOV/112-59-4-7000

Translation from: Referativnyy zhurnal. Elektrotekhnika, 1959, Nr 4, p 82 (USSR)

AUTHOR: Apsit, V. V.

TITLE: Interpole Magnetomotive Force in a Synchronous Machine

PERIODICAL: Tr. in-ta energ. i elektrotekhn. AS Latviyskaya SSR, 1958,
Nr 6, pp 155-174

ABSTRACT: In designing the synchronous-machine characteristics with an allowance for the field-pole leakage flux, an interpole magnetomotive force (between the pole tips) plays an important role. Formulae are deduced and graphs presented that permit, with a certain minimum of initial data, determining the interpole magnetomotive force with an allowance for saturation change and for the different shape of the flux-density-distribution curves; the flux density is created by the field winding and by the direct-axis component of the armature reaction.

L.R.Sh.

Card 1/1

APSIT, Voldemar Voldemarovich [Apsits, V.]; TAYTEL'BAUM, A., red.;
PAEGLIS, Ya. [Paeglis, J.], tekhn. red.

[Synchronous machinery with hooked poles] Sinkhronnye ma-
shiny s kogteobraznymi poliusami. Riga, Izd-vo Akad.nauk
Latviiskoi SSR, 1959. 297 p. (MIRA 15:2)
(Electric machinery, Synchronous)

APSITE, V. (Riga)

Autobus goes out of town... Rabotnitsa 37 no.5:26 My '59.
(MIRA 12:7)

(Riga--Transportation)

Apsit, V.V.

PHASE I BOOK EXPLOITATION SOV/4795

Akademiya nauk Latvyskoy SSR. Institut energetiki i elektrotehniki

Sistemy elektrosnabzheniya transportnykh sredstv, 3 (Electrical Supply Systems for Means of Transportation, 3) Riga, 1960. 224 p. (Series: Its: Trudy, 9) Errata slip inserted. 1,000 copies printed.

Editorial Board: E.Ya. Yakubaytis (Resp. Ed.) Candidate of Technical Sciences; V.V. Apsit, Candidate of Technical Sciences; A.F. Krogeris, Candidate of Technical Sciences; Ed.: Ye. Savel'yeva; Tech; Ed.: Ya.Paeglis.

PURPOSE: This collection of articles is intended for technical personnel concerned with electrical supply systems for means of transportation.

COVERAGE: This collection is the third in a series of works of the Institute of Power and Electrical Engineering, Academy of Sciences Latvyskaya SSR, which deal with problems connected with the electrical supply systems for transportation. Many of the articles deal with electric generators of electric power-supply systems for railroad passenger cars, with emphasis placed on the design of a

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Electrical Supply Systems (Cont.)

SOV/4795

synchronous generator with a built-in power rectifier. Other articles are concerned with the analog simulation of magnetic amplifiers, the investigation of transient processes in automatic regulation circuits, and the application of saturable reactors in transformer substations. References accompany most of the articles.

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<u>Apsit, V.V.</u> , A.F. Krogeris, and Ya.K. Shinka. Contactless D-C Generator for the Electrical Supply of Passenger Cars	5
Kupeyev, Yu.A. Modern Designs of A-C Generators for Buses and Automobiles	15
Chertok, B.N. Experimental Investigation of an Electric Automobile Installation Equipped With an A-C Generator With a Current-Control Parametric Circuit	33

-Gard 2/5

S/193/60/000/007/007/012
A005/A001

AUTHORS: ~~Apsit, V. V.~~ Kutsevalov, V. M.

TITLE: Synchronous Electromotors ДМК-1 (DMK-1) and ДМК-2 (DMK-2) Without Contacts

PERIODICAL: Byulleten' tekhniko-ekonomicheskoy informatsii, 1960, No. 7, pp.31-33

TEXT: The efficiency increase in low-voltage distribution networks can be attained by replacing asynchronous electromotors by synchronous ones. - The Institut energetiki i elektrotekhniki Akademii Nauk Latviyskoy SSR (Institute of Power- and Electric Engineering of the Academy of Sciences Latviyskaya SSR) designed two types DMK-1 and DMK-2 of synchronous electromotors without contacts, differing in the main from the common synchronous motors with salient poles by the absence of a revolving exciting winding and, consequently, of collecting rings and brushes. The figure shows the longitudinal cross section of the DMK-1-motor. In contrast to the common stator of synchronous or asynchronous motor, stator 1 has bedplate 2, which is a part of the magnetic circuit, and is made therefore of cast steel or rolled iron. The rotor has two pole systems 3, set on the shaft, each of which represents a cylindric steel casting with three claw-shaped pole overhangs ✓

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S/193/60/000/007/007/012
A005/A001

Synchronous Electromotors ДМК-1 (DMK-1) and ДМК-2 (DMK-2) Without Contacts

of a special shape ensuring sufficiently high motor properties both under synchronous and asynchronous (starting) conditions. The pole systems are mounted on the rotor shaft in such a manner that the poles of one system are in the interpole gaps of the other system. Due to the different polarity of the pole systems, the normal alternation of the polarity is obtained in the rotor periphery. The bearing brackets 4 are also produced of cast steel and have ring-like tongues embracing the cylindric parts of the rotor pole systems with a small gap of 0.5 mm; on their external surface, exciter coils 6 of simple ring shape are placed which are supplied from a semi-conductor rectifier. Therefore, the magnetic flux in the DMK-1 motor is excited from the stationary coils on the bearing brackets, and the rotor has no windings and contact rings. The asynchronous start of the motor is brought about by eddy-currents, induced in the solid pole ends by the revolving magnetic flux caused by the three-phase alternating current in the stator winding. - The DMK-2-motor is a second modification of higher performance and differs from the DMK-1-motor by lesser sizes and the design of the components. The most substantial structural peculiarity of the DMK-2-motor is the steplike shape of the rotor cylinders and the ringlike tongues of the brackets, which

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S/193/60/000/007/007/012
AOC5/A001

Synchronous Electromotors ДМК-1 (DMK-1) and ДМК-2 (DMK-2) Without Contacts

decreased the weight of the steel parts, the copper weight of the exciting windings and the power supply.

Technical characteristics of the motors:

	DMK-1	DMK-2
Continuous power at power factor equal to 1, in kw	10	7.5
number of revolutions in rpm	1,000	1,500
voltage in v	380/220	
frequency in cps	50	
efficiency in %	85	82
starting current (in fractions of the nominal current)	2.50	2.00
starting moment (in fractions of the nominal moment)	1.50	1.10
initial moment at slip $S = 0.05$	0.30	0.24
maximum moment under synchronous conditions	2.0	1.7
weight in kg	320	160

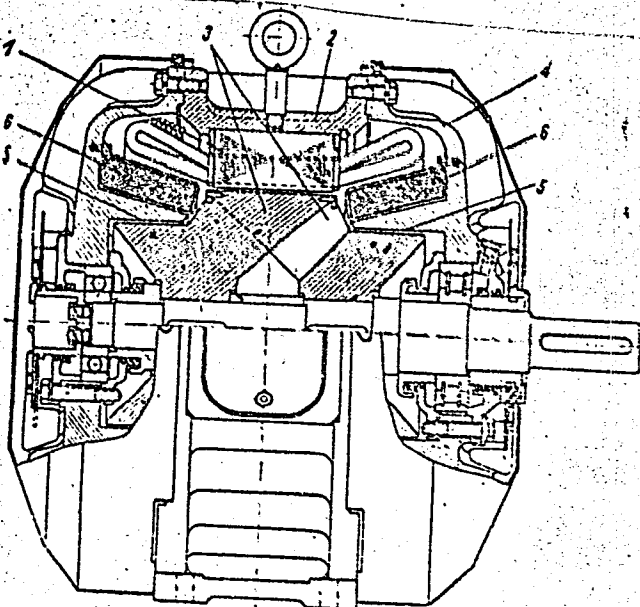
The copper windings of the exciting coils can be replaced by aluminum windings without deteriorating their characteristics.

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Synchronous Electromotors ДМК-1 (DMK-1) and ДМК-2 (DMK-2) Without Contacts

S/193/60/000/007/007/012
A005/A001

Figure:
Longitudinal cross section
of the synchronous electro-
motor ДМК-1 without
contacts.



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S/193/60/000/011/014/022
A004/A001

AUTHORS: Apsit, V. V., Krogeris, A. F.

TITLE: The Multi-Purpose Noncontact A-C and D-C 5T-1 (BP-1)²⁵ Generator²⁵

PERIODICAL: Byulleten' tekhniko-ekonomicheskoy informatsii, 1960, No. 11, pp. 38-40

TEXT: The Institut energetiki i elektrotekhniki (Institut of Power Engineering and Electric Engineering) of the AS of the Latvian SSR designed in 1959 the multi-purpose noncontact BP-1²⁵ generator (see Figure) intended for the generation of alternating or direct current. Besides, this machine can also operate as double current generator and self-starting synchronous motor. It operates with two voltages, viz. 50 and 100 v. The basic element is the three-phase four-pole noncontact synchronous C3-5 (SV-5) generator in enclosed execution. The continuous power of the generator at a speed of 1,500 rpm amounts to 8 kva, the frequency is 50 cps, the rated phase voltage is 25 or 50 v, the line voltage is 43 or 86 v.

Figure

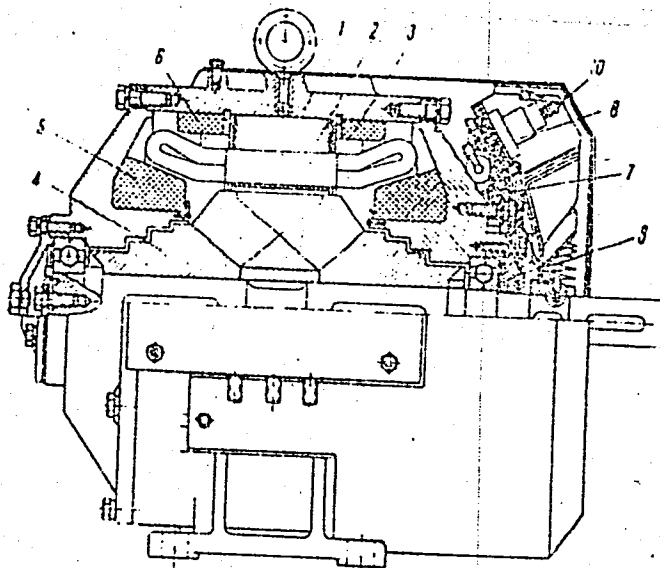
1 - frame; 2 - steel package; 3 - three-phase winding; 4 - rotor; 5 - shunt excitation coil; 6 - series excitation coil; 7 - germanium rectifier; 8 - rectifier

Card 1/3

S/193/60/000/011/014/022
A004/A001

The Multi-Purpose Noncontact A-C and D-C 5П-1 (BP-1) Generator

fier units; 9 - centrifugal ventilator; 10 - jacket. The generator has two three-phase windings and two rectifiers connected by a three-phase bridge circuit to the total number of 12 units. The rectifiers can be connected in parallel or in series, therefore the generator has two voltages of rectified current; in series connection a voltage of 50 v with a permissible current load of 160 a, and in parallel connection a voltage of 100 v with a permissible current load of 80 a. The BP-1 generator weighs 180 kg, its weight per unit of delivered



Card 2/3

APSIT, V.[Apsitis, V.] (Riga)

Conformal transformations as a method of solving boundary problems
of field theory. Vestis Latv ak no.11:67-72 '60.

(EEAI 10:9)

1. Akademiya nauk Latvyskoy SSR, Institut energetiki i elektrotehniki.

(Field theory)

SHTURMAN, G.I., prof., doktor tekhn.nauk; APSIT, Y.V., kand.tekhn.nauk;
YAKUBAYTIS, E.A., kand.tekhn.nauk; KROGERIS, A.P., kand.tekhn.nauk

Systems of electric supply for railroad cars. Zhel.dor.
transp. 42 no.1:56-57 Ja '60. (MIRA 13:5)
(Railroads--Electric equipment)

L 27046.66 EWT(1) GS

ACC NR: AT6001744

SOURCE CODE: UR/0000/65/000/000/0043/0163

AUTHOR: Apsit, V. V.

ORG: none

TITLE: Direct-axis magnetic field in the airgap of a synchronous machine with trapezoidal claw-shaped poles

SOURCE: AN LatSSR. Institut energetiki, Magnitnoye pole v elektricheskikh mashinakh (Magnetic fields in electrical machines). Riga, Izd-vo Zinatne, 1965, 43-103

TOPIC TAGS: electric machine, inductor machine

ABSTRACT: As the poles are key-shaped, an equalizing axial magnetic flux arises in the machine which changes the distribution of magnetic induction in the airgap and, as a corollary, changes the values of excitation field coefficients k_f , k_ϕ and direct-axis armature-field coefficients k_d , k_{ad} , $k_{\phi d}$. These simplifications are adopted:

- (1) The machine active cylindrical surface is developed into a planar surface;
- (2) The effect of armature teeth is neglected; (3) Core permeability across its

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laminations is negligible. A generalized Laplace equation is set up for three components (Cartesian coordinates) of the magnetic potential. This equation combined with pertinent boundary conditions is treated as a second boundary (Neumann) problem and solved by the eigen-function and double Fourier-series techniques; as a result, formulas describing the magnetic field in the yoke are developed. The magnetic field in the armature core is determined from the same initial Laplace equation by similar techniques. The magnetic field at the yoke-armature boundary is determined on the basis of the two above findings. The magnetic potential at the armature active surface varies only along the armature length; six theoretical cases are considered. The induction in the principal airgap is distributed nonuniformly in all practical cases of laminated armature; the nonuniformity is particularly pronounced when the yoke-armature gap is present or when the yoke is omitted. The variation of the armature-core magnetic potential along the armature length (across the laminations) is explored; in the armature mid-section, the potential changes its direction and is an odd function with respect to this section. The axial component of the induction and axial flux in the armature core are even functions with respect to the core mid-section. The induction at the yoke-armature boundary also changes its direction in the core middle and is an odd function with respect to this point. Seven extensive Supplements present details of the mathematical operations used in the article. Orig. art. has: 11 figures and 300 formulas.

SUB CODE: 09 / SUBM DATE: 16Jun65 / ORIG REF: 008

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ACC NR: A76023093

SOURCE CODE: UR/3200/65/000/004/0141/0155

AUTHOR: Apsit, V. V.; Daugulis, Kh. L.

39

ORG: none

TITLE: The methodology of selecting the basic dimensions for a synchronous machine with claw-like pole structure and an internal magnetic circuit

29

SOURCE: AN LatSSR. Institut energetiki. Beskontaktnyye elektricheskiye mashiny, no. 4, 1965, 141-155

TOPIC TAGS: electric motor, synchronous electric motor, magnetic circuit, magnetic induction, magnetic structure

ABSTRACT: The authors provide a detailed design analysis of synchronous induction motors with claw-like pole structure. A cut-off of a typical motor of this type is shown in figure 1. Because of the compactness of the stator structure (which contains the inductor poles, the excitation windings, the internal magnetic circuit and other components) the feasibility of construction is determined to a large degree by the correct selection of the bore in the stator. While the usual approach to calculate several design variations is used, this paper describes a more rigorous design method based on performance and overall size requirements. The main dimensions of the motor are given by

$$D_r = D_o + 2h_w + 2h_p \quad (1)$$

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where D_r is the rotor diameter, D_c is the cylinder diameter, h_w is the radial coil (excitation windings) dimension, and h_p is the radial pole dimension (height). Separate solutions for each variable in this formula (1) are given, based on the normally

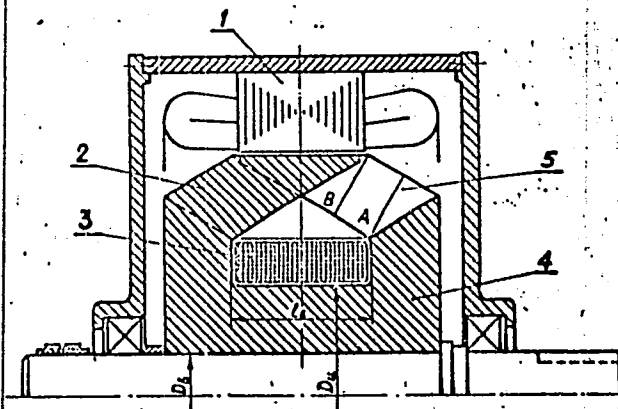


Fig. 1. 1--armature; 2 and 5--claw-like pole structures; 3--excitation coil; 4--magnetic circuit of the inductor.

available design information. A step-by-step design procedure is included with practical approximations for the derived expressions. Fundamentally, the selection of a particular geometry is dictated by a given electromagnetic load and the allowable temperature rise in the windings. Orig. art. has: 6 figures, 62 formulas.

SUB CODE: 09/

SUBM DATE: none/

ORIG REF: 005

Cord 2/2 nst

Apsitis, A.A.

[illegible]

FRYDENFEL'D, E.Zh.; APSITIS, A.A.

The effect of different additions on the properties of titanium
ceramics for capacitors. Zhur. prikl. khim. 30 no.9:1390-1394

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(MIRA 11:1)

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components of the system $\text{CaO} - \text{BaO} - \text{TiO}_2$. Izv. vys. ucheb. zav.;
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USSR/Medicine - Canning and Canned Foods Apr 1946
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Ultrafiltration Method for the Bacteriological
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Method can be applied to the testing of fruit and
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 volves examination of a greater part of the contents
 of the can which makes it possible to exclude pre-
 liminary incubation of the can before testing, thus
 allowing establishment of the nonsterility of the

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USSR/Medicine - Canning and Canned Foods Apr 1946
 (Contd)

preserves with greater reliability. Result of the
 test is registered on the 5th day as compared to 10
 days required by the standard method, and the time
 of the entire examination is shortened by 10 days.

LC 40741

APT, F. S.

APT, F. S.

PA 8T18

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